

CLAIMS

What is claimed is:

1. A debugging system for receiving data from a debug operation,
5 said debugging system comprising:
a reserved memory comprising a plurality of portions of reserved
memory;
a mass memory; and
a log management component for recording received data of a debug
10 operation in at least one portion of said plurality of portions of said reserved
memory.
2. The debugging system of Claim 1 wherein said log management
component is also for copying said data from at least a partially filled portion of
15 said plurality of portions of said reserved memory to said mass memory in
response to a drain condition, such that said data is copied to said mass
memory in a non-intrusive manner.
3. The debugging system of Claim 2 wherein said drain condition
20 comprises a filling threshold.

4. The debugging system of Claim 3 wherein said filling threshold comprises a predetermined number of said portions of said reserved memory filled with said data.

5 5 The debugging system of Claim 4 wherein said predetermined number of said portions of said reserved memory is one.

6. The debugging system of claim 2 wherein said log management component is also for executing said copying responsive to a request of user.

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7. The debugging system of claim 2 wherein said log management component is adapted to execute said recording and said copying in concurrently.

15 8. The debugging system of claim 1 wherein a portion of said plurality of portions of said reserved memory comprises a plurality of sub-portions of said reserved memory.

9. The debugging system of claim 8 wherein a sub-portion of
20 memory comprises a number of data values to store at a given time.

10. The debugging system of claim 9 wherein said number of data values is determined by a user so as to enable recording of particular data in a sub-portion of said plurality of sub-portions.

5 11. The debugging system of claim 10 wherein said number of data values is less than 10.

12. A method of managing data of a debug operation, said method comprising:

10 reserving a memory comprising a plurality of memory portions;
receiving data of a debug operation;
recording said data in at least one portion of said plurality of memory portions; and
provided said plurality of memory portions comprise said data,
15 designating a particular portion of said plurality of memory portions for recording said data.

13. The method of Claim 12 further comprising responsive to a drain condition, copying said data from at least a partially filled portion of said
20 plurality of memory portions to a mass memory.

14. The method of Claim 13 wherein said recording said data and said copying said data are performed concurrently to said receiving said data

such that successive received data of a debug operation is recorded in a non-intrusive manner.

15. The method of Claim 13 wherein said drain condition comprises
5 a filling threshold.

16. The method of Claim 15 wherein said filling threshold comprises
a predetermined number of said portions of said reserved memory filled with
said data.
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17. The method of Claim 16 wherein the determined number of said
portions of said reserved memory is one.

18. The method of Claim 12 wherein said copying is adapted to be
15 executed responsive to a request of a user.

19. The method of Claim 12 wherein said recording and said copying
are performed concurrently.

20. The method of Claim 12 wherein a portion of said plurality of
20 portions of said reserved memory comprises a plurality of sub-portions of said
reserved memory.

21. The method of Claim 20 wherein a sub-portion of memory comprises a number of data values to store at a given time.

22. The method of Claim 21 wherein said number of data values is
5 determined by a user so as to enable recording of particular data in a sub-portion of said plurality of sub-portions.

23. The method of Claim 22 wherein said number of data values is less than 10.

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24. The method of Claim 12 wherein said particular portion comprises oldest recorded data.

25. A computer-readable medium having computer-readable
15 program code embodied therein for causing a computer system to perform a method of managing data of a debug operation, said method comprising:

reserving a memory comprising a plurality of memory portions;

receiving data of a debug operation;

recording said data in at least one portion of said plurality of memory

20 portions; and

responsive to drain conditions, copying said data from at least a partially filled portion of said plurality of memory portions to a mass memory.

26. The computer-readable medium of Claim 25 further comprising provided said plurality of memory portions comprise said data, designating a particular portion of said plurality of memory portions for recording said data.

5 27. The computer-readable medium of Claim 25 wherein said recording said data and said copying said data are performed concurrently to said receiving said data such that successive received data of a debug operation is recorded in a non-intrusive manner.

10 28. The computer-readable medium of Claim 25 wherein said drain conditions comprise a filling threshold.

 29. The computer-readable medium of Claim 28 wherein said filling threshold comprises a predetermined number of said portions of said
15 reserved memory filled with said data.

 30. The computer-readable medium of Claim 29 wherein said determined number of said portions of said reserved memory is one.

20 31. The computer-readable medium of Claim 25 wherein said copying is adapted to be executed responsive to a request of a user.

32. The computer-readable medium of Claim 25 wherein said recording and said copying are performed concurrently.

33. The computer-readable medium of Claim 25 wherein a portion of
5 said plurality of portions of said reserved memory comprises a plurality of sub-
portions of said reserved memory.

34. The computer-readable medium of Claim 33 wherein a sub-
portion of memory comprises a number of data values to store at a given time.
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35. The computer-readable medium of Claim 34 wherein said
number of data values is determined by a user so as to enable recording of
particular data in a sub-portion of said plurality of sub-portions.

15 36. The computer-readable medium of Claim 35 wherein said
number of data values is less than 10.

37. The computer-readable medium of Claim 26 wherein said
particular portion comprises oldest recorded data.
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